



EXAMINATION NO.: _____

THE MALAWI NATIONAL EXAMINATIONS BOARD

2026 MALAWI SCHOOL CERTIFICATE OF EDUCATION EXAMINATION

AGRICULTURE

Subject Number: M012/I

Monday, 29 June

Time Allowed: 2 hours
8:00 – 10:00 am

PAPER I

(100 marks)

Theory

Instructions

1. This paper contains 12 printed pages. Please check.
2. Write your Examination Number on top of each page of this question paper in the spaces provided.
3. This paper has two sections, A and B. Section A has ten questions and Section B has three questions. Answer all questions in the spaces provided.
4. In the Table provided on this page, tick against the question number you have answered.
5. At the end of the examination, hand in your paper to the invigilator.

Question Number	Tick if answered	Do not write in these columns	
1			
2			
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Total			

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Turn over



Section A (70 marks)

Answer **all** questions in this section in the spaces provided.

1. a. State the first **two** steps in determining soil depth.

(2 marks)

- b. Explain any **one** effect of cation exchange capacity on crop production.

(2 marks)

- c. Describe any **two** ways in which rapid population growth affects soil degradation.

(4 marks)

2. a. State any **two** conditions that should be met for fertilisation to take place in cattle.

(2 marks)

- b. A farmer observed the following signs on his cattle: profuse sweating, abortion and swollen testicles.

(i) Name the disease that attacked the cattle.

(1 mark)

(ii) Name the organism that causes the disease mentioned in (i).

(1 mark)

(iii) State any **two** ways of controlling the organism mentioned in (ii).

(2 marks)

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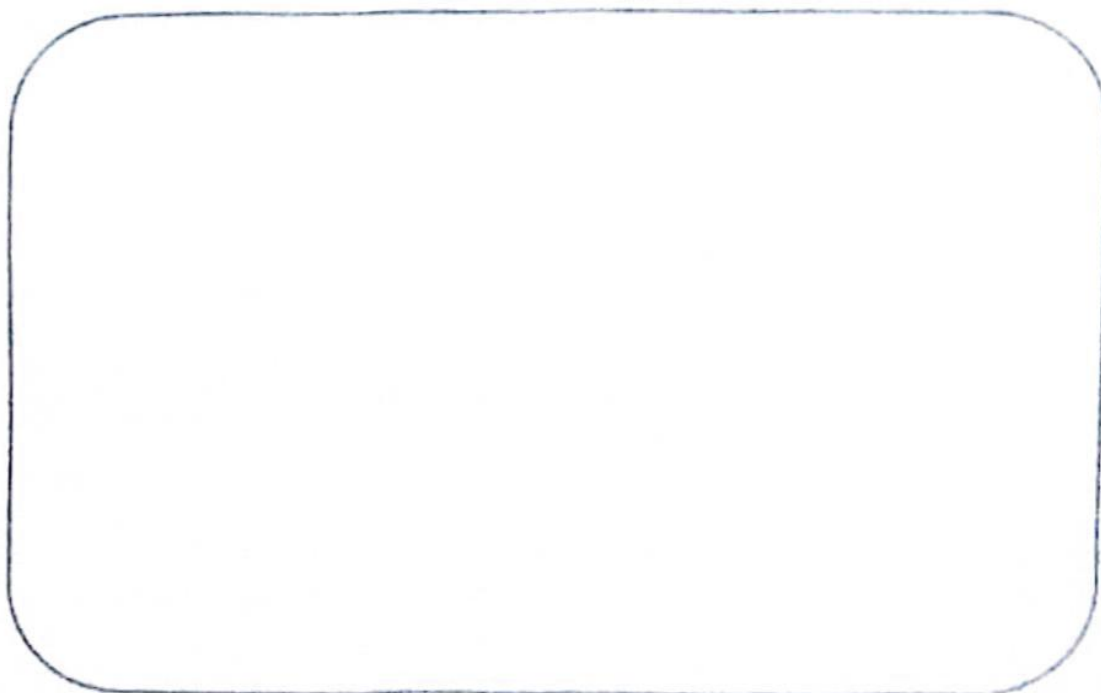
3. a. Give any **two** ways in which agricultural cooperatives are important.

(2 marks)

- b. The **table below** shows a farm record for end of the 2024/2025 growing season.

ITEM	VALUE
Cash at hand	K50,000
Bank overdrafts	K30,000
Perennial crops	K300,000
Stocks in store	K100,000
Bank loans	K480,000

Prepare a balance sheet for the farm.



(5 marks)

Continued/...

4. a. List any **two** activities involved in pasture management.

- b. Explain any **one** way in which pasture conservation helps in mitigating erratic rainfall. (2 marks)

- c. **Figure 1** is a diagram showing a crop improvement method. (2 marks)



Figure 1

- (i) Name the crop improvement method.

 (1 mark)

- (ii) State the first **two** steps involved in the crop improvement method mentioned in (i).

(2 marks)

Continued.

5. a. State any **one** nutrient found in livestock feeds.

(1 mark)

- b. Explain any **one** way in which considering the condition of the animal when feeding sheep is important.

(2 marks)

- c. Describe the first **two** steps in transplanting of mango seedlings.

(4 marks)

6. a. Outline the first **three** steps that are followed when preparing a complete budget.

(3marks)

- b. Explain any **two** ways in which trading of agricultural produce at national level is important.

(4 marks)

Continued/...



7. a. Give any **two** ways in which human power is used in goat production.

(2 marks)

- b. **Figure 2** is a diagram showing a farm implement.



Figure 2

- (i) To which category of farm machinery does the farm implement belong?

(1 mark)

- (ii) Give any **two** ways of maintaining the farm implement.

(2 marks)

- (iii) Explain any **one** safety measure to be observed when using the implement.

(2 marks)

Continued/...

8. a. State any **two** management activities that are carried out during mushroom fruiting.

(2 marks)

- b. Explain any **one** way in which mushroom production complements maize farming.

(2 marks)

- c. A farmer planted blue gum and pine trees on a swampy area on his farm to drain the land.

- (i) Name the method of land drainage practiced by the farmer.

_____ (1 mark)

- (ii) Explain any **one** way in which the method of land drainage mentioned in (i) is important.

(2 marks)

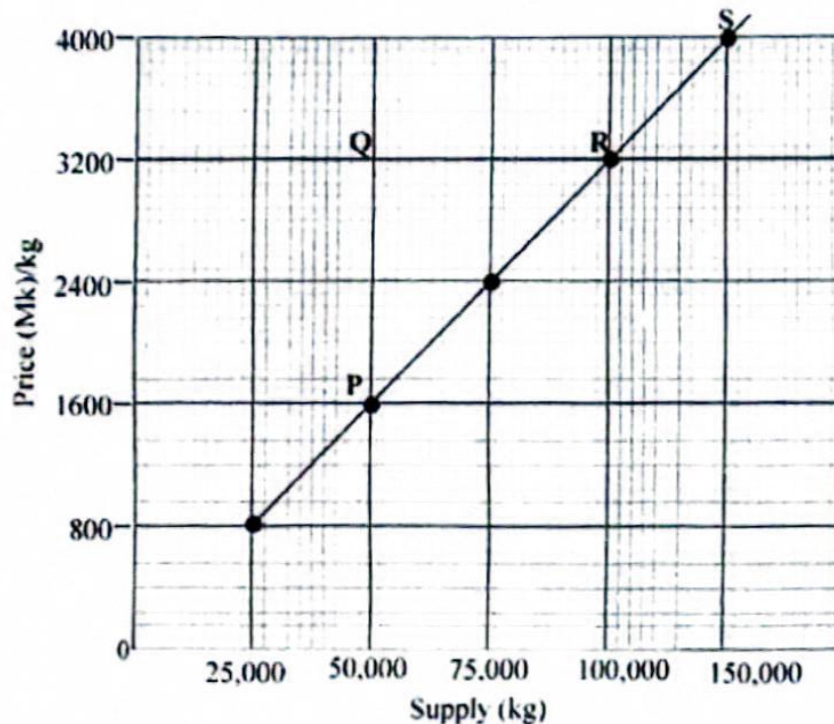
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9. a. Give any **one** difference between marketing and trading of agricultural produce.

(1 mark)

- b. The graph below shows the changes in supply of maize due to changes in price at a certain market.



Using the graph, calculate the:

- (i) Maize supplied when the price was K2 800 per Kilogram.

(1 mark)

- (ii) Price elasticity of supply when the price increased from point P to Q resulting in a change of quantity supplied from point Q to R.

(4 marks)

Continued/...

9. b. (Continued)

(iii) Name the degree of price elasticity of supply calculated in (ii).

(1 mark)

(iv) Mention any **one** implication of the degree of the price of elasticity of supply mentioned in (iii).

(1 mark)

10. a. Give any **two** ways in which removing the sheath from maize cobs is important during maize processing.

(2 marks)

b. Explain any **one** way in which farmers would use the law of 'Diminishing marginal returns' to increase profits.

(2 marks)

c. Name the economic principle which a farmer would use in making the following decisions:

(i) To plant either maize or beans where beans have a higher value than maize.

(1 mark)

(ii) To plant either rice or maize in a water logged area.

(1 mark)

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11. Explain any **five** disease control measures in cattle.

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- Agricultural Development and Marketing Corporation
- Micro finance institution
- An agricultural research institution
- An officer working under Ministry of Irrigation and Water Development

Explain any **five** ways in which the farmers would utilise the agencies to increase maize production.

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(10 marks)

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